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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. SMAR-0013	Serial No. 10/019,341
		Applicant Hayden, M.R. et al.	
		Filing Date May 3, 2002	Group 1636 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
90	1	Ascadi, G. et al., "Human dystrophin expression in mdx mice after intramuscular injection of DNA constructs", <i>Nature</i> , 1991 , 352, 815-818	
	2	Altschul, S.F. et al., "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , 1990 , 215, 403-410	
	3	Anderson, W. F., "The Best of Times, the Worst of Times", <i>Science</i> , 2000 , 288, 627-629	
	4	Armentano, D. et al., "Expression of Human Factor IX in Rabbit Hepatocytes by Retrovirus-Mediated Gene Transfer: Potential for Gene Therapy of Hemophilia B", <i>Proc. Natl. Acad. Sci. USA</i> , 1990 , 87, 6141-6145	
	5	Assmann, G. MD. et al., "Relation of High-Density Lipoprotein Cholesterol and Triglycerides to Incidence of Atherosclerotic Coronary Artery Disease(the PROCAM Experience)", <i>Am. J. Cardiol.</i> , 1992 , 70, 733-737	
	6	Baldari, et al., "A novel leader peptide which allows efficient of a fragment of human interleukin 1 β in <i>Saccharomyces cerevisiae</i> ", <i>EMBO J.</i> , 1987 , 6(1), 229-234	
	7	Baliga, et al., "High fat meal induces changes in blood rheology in patients with coronary artery disease", <i>70th Scientific Sessions of the AHA</i> , 2206	
	8	U. Beisiegel, "Lipoprotein Metabolism", <i>European Heart Journal</i> , 1998 , 19, A20-A23	
	9	Benlian, P. MD., Ph.D. et al., "Premature atherosclerosis in patients with familial chylomicronemia caused by mutations in the lipoprotein lipase gene", <i>The New England Journal of Medicine</i> , 1996 , 335, 848-854	
90	10	Berkner, K.L. "Development of Adenovirus Vectors for the Expression of Heterologous Genes", <i>BioTechniques</i> , 1988 , 6(7), 616-629	
EXAMINER <i>Jennifer Dunsen</i>		DATE CONSIDERED <i>10/18/04</i>	



RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

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List of Patent and Publications
Cited by Applicant
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U.S. Department of Commerce
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Docket No.
SMAR-0013

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Applicant
Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1636
~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*	11	Bethesda: Lipids Research Clinics Program, NIH (National Institute of Health) Publication, 1974, Vol 75
JD	12	Black, M.E. et al., "Creation of Drug-Specific Herpes Simplex Virus Type 1 Thymidine Kinase Mutants for Gene Therapy", <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93, 3525-3529
	13	Brunzell, J.D. et al., "Structure-function relationships of lipoprotein lipase: mutation analysis and mutagenesis of the loop region", <i>Journal of Lipid Research</i> , 1993, 34, (9), 1593-1602
	14	Brunzell, J.D. "Familial Lipoprotein Lipase Deficiency and Other Causes of the Chylomicronemia Syndrome", <i>The Metabolic and Molecular Bases of Inherited Disease</i> , New York, NY, McGraw-Hill, Inc., 1995, 59, 1913-1932
	15	Cavazzana-Calvo, M. "Gene Therapy of Human Severe Combined Immunodeficiency (SCID)-X1 Disease", <i>Science</i> , 2000, 288, 669-672
	16	Chowdhury, J.R. et al., "Long-Term Improvement of Hypercholesterolemia After ex Vivo Gene Therapy in LDLR-Deficient Rabbits", <i>Science</i> , 1991, 254, 1802-1805
	17	Clapp, D.W. et al., "Fetal Liver Hematopoietic Stem Cells As a Target for In Utero Retroviral Gene Transfer", <i>Blood</i> , 1991, 78, 1132-1139
	18	Cohen, J.C. et al., "Postprandial lipemia and chylomicron clearance in athletes and in sedentary men", <i>Am. J. Clin. Nutr.</i> , 1998, 49, 443-447
	19	Cristiano, R.J. et al., "Hepatic Gene Therapy: Adenovirus Enhancement of Receptor-Mediated Gene Delivery and Expression in Primary Hepatocytes", <i>Proc. Of the Nat'l Academy of Sciences</i> , 1993, 90, 2122-2126
JD	20	Curiel, D.T. et al., "Adenovirus Enhancement of Transferrin-Polylysine-Mediated Gene Delivery", <i>Proc. Natl. Acad. Sci. USA</i> , 1991, 88, 8850-8854

Not
Considered

EXAMINER

DATE CONSIDERED

10/18/04

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



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TECH CENTER 1600/2900

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Form PTO-1449 Modified

List of Patent and Publications
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U.S. Department of Commerce
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Docket No.
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Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1636
~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

9D	21	Dai, Y. et al., "Gene Therapy Via Primary Myobalsts: Long-Term Expression of Factor IX Protein Following Transplantation in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89(22), 10892-10895
	22	Danos, O. et al., "Safe and Efficient Generation of Recombinant Retroviruses with Amphotropic and Ecotropic Host Ranges", <i>Proc. Natl. Acad. Sci. USA</i> , 1988, 85(17), 6460-6464
	23	Davies, Michael J. MD. "Stability and Instability: Two Faces of Coronary Atherosclerosis: The Paul Dudley White Lecture 1995", <i>Circulation</i> , 1996, 94(8), 2013-2020
	24	Eglitis, M.A. et al., "Gene Expression in Mice after High Efficiency Retroviral-Mediated Gene Transfer", <i>Science</i> , 1985, 230, 1395-1398
	25	Eyre-Walker, A. et al., "High genomic deleterious mutation rates in hominids", <i>Nature</i> , 1999, 397, 344-347
	26	Excoffon, K. J.D. et al., "Correction of Hypertriglyceridemia and Impaired Fat-Tolerance in Lipoprotein Lipase-Deficient Mice by Adenovirus-Mediated Expression of Human Lipoprotein Lipase", <i>Arterioscler. Thromb. Vasc. Biol.</i> , 1997, 17(11), 2532-2539
	27	Faure, L. et al, "Prevalence of common lipoprotein lipase (LPL) gene mutation Ser447Stop is increased while prevalence of Asn291Ser mutation is decreased in centenarians", <i>Atherosclerosis</i> , 1997, 134, p 1.P.26
	28	Feinleib, M. et al., "The Framingham Offspring Study. Design and Preliminary Data", <i>Prevent. Med.</i> , 1975, 4, 518-525
	29	Ferry, N. et al., "Retroviral-Mediated Gene Transfer Into Hepatocytes in vivo", 1991, 88(19), 8377-8381
9D	30	Fisher, R.M. et al., "Common variation in the lipoprotein lipase gene: effects on plasma lipids and risk of atherosclerosis", <i>Atherosclerosis</i> , 1997, 135, 145-159

Duplicate
Copy

EXAMINER

DATE CONSIDERED

10/18/04

**Form PTO-1449 Modified**Docket No.
SMAR-0013Serial No.
10/019,341List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)Applicant
Hayden, M.R. et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
May 3, 2002Group **1636**
Not Yet Assigned**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

9D	31	Flotte, T.R. et al., "Gene Expression from Adeno-associated Virus Vectors in Airway Epithelial Cells", <i>Am. J. Respir. Cell. Mol. Biol.</i> , 1992 , 7, 349-356
	32	Flotte, T.R. et al., "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-associated Virus Promoter", <i>J. Biol. Chem.</i> , 1993 , 268(5), 3781-3790
	33	Gagne, E. et al., "Analysis of DNA Changes in the LPL Gene in Patients With Familial Combined Hyperlipidemia", <i>Arterioscl. Thromb.</i> , 1994 , 14(8), 1250-1257
9D	34	Gagne, SE. et al., "A common truncation variant of lipoprotein lipase (Ser447X) confers protection against coronary heart disease: the Framingham Offspring Study", <i>Clin. Genet.</i> , 1999 , 55(6), 450-454
9D	35	Garenc, C. et al., "Linkage and Association Studies of the Lipoprotein Lipase Gene with Postheparin Plasma Lipase Activities, Body Fat, and Plasma Lipid and Lipoprotein Concentrations: The HERITAGE Family Study", <i>Metabolism</i> , 2000 , 49(4), 432-439
9D	36	Gaziano, J. MD et al., "Fasting Triglycerides, High Density Lipoprotein, and Risk of Myocardial Infarction", <i>Circulation</i> , 1997 , 96(8), 2520-2525
9D	37	Gehrisch, S. MD., "Common Mutations of the Lipoprotein Lipase Gene and Their Clinical Significance", <i>Curr. Atheroscler. Rep.</i> , 1999 , 1(1), 70-78
*	38	Goeddel, Gene Expression Technology: Methods in Enzymology, 1990, vol 185, Academic Press, San Diego, California
9D	39	Groenemeijer, B.E. MD. Et al., "Genetic Variant Showing a Positive Interaction with beta-Blocking Agents with a Beneficial Influence on Lipoprotein Lipase Activity, HDL Cholesterol, and Triglyceride Levels in Coronary Artery Disease Patients: The Ser sup 447-Stop Substitution in the Lipoprotein Lipase Gene", <i>Circulation</i> , 1997 , 95(12), 2628-2635
9D	40	Gronholdt, M-L M. MD. Et al., "Echo-Lucency of Computerized Ultrasound Images of Carotid Atherosclerotic Plaques are Associated with increased Levels of Triglyceride-Rich Lipoproteins as Well as Increased Plaque Lipid Content", <i>Circulation</i> , 1998 , 97(1), 34-40

EXAMINER*Jessie Dush***DATE CONSIDERED***10/18/04*

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

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considered

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Form PTO-1449 Modified

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Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 11636
~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

9D	41	Hamsten, A. MD. Et al., "Increased Plasma Levels of a Rapid Inhibitor of Tissue Plasminogen Activator in Young Survivors of Myocardial Infarction", <i>N. Engl. J. Med.</i> , 1985, 313(25), 1557-1563
	42	Hasdai, D. MD. Et al., "Coronary Endothelial Dysfunction in Humans is Associated with Myocardial Perfusion Defects", <i>Circulation</i> , 1997, 96(10), 3390-3395
	43	Hayden, MR. Et al., "Gene environment interaction and plasma triglyceride levels: the crucial role of lipoprotein lipase", <i>Clin Genet</i> , 1994, 46, 15-18
	44	Henderson, H.E. et al., "Amino Acid Substitution (Ile 194THR) in Exon 5 of the Lipoprotein Lipase Gene Causes Lipoprotein Lipase Deficiency in Three Unrelated Probands", <i>Journal of Clinical Investigation</i> , 1991, 87, 2005-2011
	45	Henderson, H.E. et al., "Lipoprotein lipase activity is decreased in a large cohort of patients with coronary artery disease and is associated with changes in lipids and lipoproteins", <i>Journal of Lipid Research</i> , 1999, 40, 735-743
	46	Henikoff, S. et al., "Amino Acid Substitution Matrices from Protein Blocks", <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89(12), 10915-10919
	47	Hermonat, P.L. et al., "Use of Adeno-Associated Virus as a Mammalian DNA Cloning Vector: Transduction of Neomycin resistance into Mammalian Tissue Culture Cells", <i>Proc. Natl. Acad. Sci. USA</i> , 1984, 81(20), 6466-6470
	48	Herz, J. et al., "Adenovirus-Mediated transfer of Low Density Lipoprotein Receptor Gene Acutely Accelerates Cholesterol Clearance in Normal Mice", <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90(7), 2812-2816
	49	Hexter, A. "Selective Advantage of the Sickie-Cell Trait", <i>Science</i> , 1968, 160, 436
9D	50	Hodis, H.N. et al., "Triglyceride-rich lipoproteins and the progression of coronary artery disease", <i>Curr. Opin. Lipid</i> , 1995, 6, 209-214

EXAMINER**DATE CONSIDERED**

10/18/04



OCT 02 2002

TECH CENTER 1600/2900

Sheet 6 of 15

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
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Docket No.
SMAR-0013

Serial No.
10/019,341

Applicant
Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1636
~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

90	51	Hokanson, J.E. "Lipoprotein lipase gene variants and risk of coronary disease: a quantitative analysis of population-based studies", <i>Int. J. Clin. Lab Res.</i> , 1997, 27, 24-34
90	52	Hokanson, J.E. et al., "Plasma triglyceride level is a risk factor for cardiovascular disease independent of high-density lipoprotein cholesterol level: a meta-analysis of population-based prospective studies", <i>J. Cardiovasc. Risk</i> , 1996, 3, 213-219
*	53	Hosmer, et al., <i>Applied Logistic Regression</i> , New York: John Wiley & Sons, 1989, 1
90	54	Huber, B.E. et al., "Retroviral-Mediated Gene Therapy for the Treatment of Hepatocellular carcinoma: An Innovative Approach for Cancer Therapy", <i>Proc. Natl. Acad. Sci. USA</i> , 1991, 88, 8039-8043
90	55	Hwu, P. et al., "Functional and Molecular Characterization of Tumor-Infiltrating Lymphocytes Transduced with Tumor Necrosis Factor- α cDNA for the Gene Therapy of Cancer in Humans", <i>J. Immunol.</i> , 1993, 150, 4104-4115
90	56	Inoue, T. et al., "Serum Level of Remnant Like Particles-CHolesterol Affects the Endothelium-Dependent Coronary Vascular Response in Human", <i>70th Scientific Sessions of the AHA</i> , 2208
90	57	Jukema, J. et al., "Coronary Artery Disease/Myocardial Infarction: Effects of Lipid Lowering by Pravastatin on Progression and egression of Coronary Artery Disease in Symptomatic Men with Normal to Moderately Elevated Serum Cholesterol Levels: The Regression Growth Evaluation Statin Study (REGRESS)", <i>Circulation</i> , 1995, 91(10), 2528-2540
	58	Jukema, J. et al., "Prevention of Cardiovascular Disease: The Asp sub 9 Asn Mutation in the Lipoprotein Lipase Gene is Associated with Increased Progression of Coronary Atherosclerosis", <i>Circulation</i> , 1996, 94(8), 1913-1918
	59	Kastelein, J.J.P. MD, PhD, et al., "Lipoprotein Lipase Activity is Associated with Severity of Angina Pectoris", <i>Circulation</i> , 2000, 102(14), 1629-1633
90	60	Kaufman, R.J. et al., "Translational efficiency of polycistronic mRNAs and their utilization to express heterologues genes in mammalian cells", <i>EMBO J.</i> , 1987, 6, 187-193

not
considered

EXAMINER

DATE CONSIDERED

10/18/04

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

**RECEIVED**

OCT 02 2002

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Form PTO-1449 Modified		Docket No. SMAR-0013	Serial No. 10/019,341
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		Filing Date May 3, 2002	Group 1636 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	61	Kay, M.A. et al., "Hepatic Gene Therapy: Persistent Expression of Human α 1-Antitrypsin in Mice after Direct Gene Delivery <i>In Vivo</i> ," <i>Human Gene Therapy</i> , 1992, 3,641-647	
	62	Keyt, B.A. et al., "A Faster-Acting and More Potent Form of Tissue Plasminogen Activator", <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91(9), 3670-3674	
	63	Khoury, et al., <i>Fundamentals of Genetic Epidemiology: Oxford University Press, Oxford</i> , 1993, 49-54	
	64	Kleinbaum, et al., "Multiple Regression Analysis: General Considerations", <i>Applied Regression Analysis and Other Multivariable Methods</i> , 2 nd ed. Boston, MA: PWS-Kent Publishing Company, 1988, 102-340	
	65	Kramer, W. et al., "Liver-specific Drug Targeting by Coupling to Bile Acids", <i>J. Biol. Chem.</i> , 1992, 267(26),18598-18604	
	66	Krapp, A. et al., "Structural features in lipoprotein lipase necessary for the mediation of lipoprotein uptake into cells", <i>J. Lipid. Res.</i> , 1995, 36(11), 2362-2373	
	67	Kugiyama, K. et al. "Remnant Lipoproteins Impair Endothelium-dependent Vasomotor Functions in Human Coronary Arteries", <i>70th Scientific Sessions of the AHA</i> , 2207	
	68	Kuivenhoven J.A. et al., "Ser 447stop Mutation in Lipoprotein Lipase Is Associated With Elevated Hdl Cholesterol Levels in Normolipidemic Males", <i>Arteriosclerosis, Thrombosis and Vascular Biology</i> , 1997, 17, 595-599	
	69	Kurjan, J. et al, "Structure of a Yeast Pheromone Gene (Mfa): A Putative α -Factor Precursor Contains Four Tandem Copies of Mature α -Factor", <i>Cell</i> , 1982, 30, 933-943	
	70	Lemarchand, P. et al., "Adenovirus-Mediated Transfer of a Recombinant Human α 1-Antitrypsin cDNA to Human Endothelial Cells", <i>Proc. Natl. Acad. Sci. USA.</i> , 1992, 89(14), 6482-6486	
EXAMINER		DATE CONSIDERED 10/18/04	

**RECEIVED**

OCT 02 2002

Sheet 8 of 15

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List of Patent and Publications
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(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Applicant

Hayden, M.R. et al.

Filing Date

May 3, 2002

Group 1634

~~Not Yet Assigned~~**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

90	71	Liu, M-S. Et al., "Mapping of the epitope on lipoprotein lipase recognized by a monoclonal antibody (%D2) which inhibits lipase activity", <i>Biochim. Biophys. Acta.</i> , 1992, 1128(1), 113-115
	72	Liu, G. et al., "Efficient Adenovirus-Mediated Ectopic Gene Expression of Human Lipoprotein Lipase in Human Hepatic (HepG2) Cells", <i>Hum. Gene. Ther.</i> , 1997, 8(2), 205-214
	73	Liu, G. et al., "Enhanced lipolysis in normal mice expressing liver-derived human lipoprotein lipase after...", <i>Clin. Invest. Med.</i> , 1998, 21(4-5), 172-185
	74	Liu, G. et al., "Phenotypic Correction of Feline Lipoprotein Lipase Deficiency by Adenoviral Gene Transfer", <i>Hum. Gene. Ther.</i> , 2000, 11, 21-32
	75	Luckow, V.A. et al., "High Level Expression of Nonfused Foreign Genes with <i>Autographa californica</i> Nuclear Polyhedrosis Virus Expression Vectors", <i>Virology</i> , 1989, 170, 31-39
	76	Lundman, P. MD. Et al., "Transient Triglyceridemia Decreases Vascular Reactivity in Young, Healthy Men Without Risk Factors for Coronary Heart Disease", <i>Circulation</i> , 1997, 96(10), 3266-3268
	77	Ma, Y. et al., "Two Naturally Occurring Mutations at the First and Second Bases of Codon Aspartic Acid 156 in the Proposed Catalytic Triad of Human Lipoprotein Lipase", <i>J. Biol. Chem.</i> , 1992, 267(3), 1918-1923
	78	Ma, Y. et al., "Mutagenesis in four candidate heparin binding regions (residues 279-282, 291-304, 390-393, and 439-448) and identification of residues affecting heparin binding of human lipoprotein lipase", <i>J. Lipid. Res.</i> , 1994, 35(11), 2049-2059
	79	Ma, Y. et al., "A Missense Mutation (Asp250 Asn) in Exon 6 of the Human Lipoprotein Lipase Gene Causes Chylomicronemia in Patients of Different Ancestries", <i>Genomics</i> , 1992, 13, 649-653
90	80	Ma, Y. et al., "A 4 basepair deletion in exon 4 of the human lipoprotein lipase gene results in type I hyperlipoproteinemia", <i>Human Molecular Genetics</i> , 1993, 2(7), 1049-1050

EXAMINER

DATE CONSIDERED

10/18/04



RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

Sheet 9 of 15

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
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Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1634
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

90	81	Ma, Y. et al., "Gene-Environment Interaction in the Conversion of a Mild-to-Severe Phenotype in a Patient Homozygous for a Ser 172 Cys Mutation in the Lipoprotein Lipase Gene", <i>J. Clin. Invest.</i> , 1993, 91(5), 1953-1958
	82	Ma, Y. et al., "High frequency of mutations in the human lipoprotein lipase gene in pregnancy-induced chylomicronemia: possible association with apolipoprotein E2 isoform", <i>J. Lipid. Res.</i> , 1994, 35(6), 1066-1075
	83	Maily, F. et al., "A Common Variant in the Gene for Lipoprotein Lipase (Asp9-Asn): Functional Implications and Prevalence in Normal and Hyperlipidemic Subjects", <i>Arterioscler. Thromb. Vasc. Biol.</i> , 1995, 15(4), 468-478
	84	Marenberg, M.E. et al., "Genetic Susceptibility to Death from Coronary Heart Disease in a Study of Twins", <i>New Engl. J. Med.</i> , 1994, 330, 1041-1046
	85	Mattei, M.G. et al., "Assignment of the human lipoprotein lipase (LPL) gene to chromosome band 8p22", <i>Cytogenet Cell Genet</i> , 1993, 63, 45-46
90	86	Mattu, R.K. et al., "DNA Variants at the LPL Gene Locus Associate with Angiographically Defined Severity of Atherosclerosis and Serum Lipoprotein Levels in a Welsh Population", <i>Arteriosclerosis and Thrombosis</i> , 1994, 14, 1090-1097
	87	McLaughlin, S.K. et al., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", <i>J. Virol.</i> , 1989, 62, 1963-1973
	88	Miller, A.D. "Progress Toward Human Gene Therapy", <i>Blood</i> , 1990, 76(2), 271-278
	89	Monsalve, M.V. et al., "A Missense Mutation at Codon 188 of the Human Lipoprotein Lipase Gene Is a Frequent Cause of Lipoprotein Lipase Deficiency in Persons of Different Ancestries", <i>J. Clin. Invest.</i> , 1990, 86(3), 728-734
90	90	Moss, J. "Peptide Prodrugs Designed to Limit Metabolism, Rationale and Applications of the Prodrug Concept for Pwptides", <i>Peptide-Based Drug Design: Controlling Transport and Metabolism</i> , 1995, 18, 423-448
EXAMINER <i>James Dusk</i>		DATE CONSIDERED 10/18/04



RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

Sheet 10 of 15

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
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Patent and Trademark Office

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Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1630
~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

90	91	Murthy, V. et al., "Molecular Pathobiology of the Human Lipoprotein Lipase Gene", <i>Pharmacol. Ther.</i> , 1996, 70(2), 101-135
	92	Muzyczka, N., "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", <i>Curr. Topics in Micro. And Immunol.</i> , 1992, 158, 97-129
	93	Needleman, S.B. et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>Mol. Biol.</i> , 1970, 48, 443-453
	94	Nilsson-Ehle, P. et al., "A stable, radioactive substrate emulsion for assay of lipoprotein lipase", <i>J. Lipid. Res.</i> , 1976, 17, 536-541
	95	Olivecrona, G. et al., "Transport of lipoprotein lipase and lipoprotein metabolism", <i>Artherosclerosis X. Woodford et al, eds.</i> , 250-253
	96	Olivecrona, G. et al., "Noncatalytic functions of Lipoprotein Lipase", <i>Methods Enzymol</i> , 1997, 286, 102-116
	97	Pearson, W.R. et al., "Improved Tools for Biological Sequence Comparasion", <i>Proc. Natl. Acad. Sci. USA.</i> , 1988, 85(8), 2444-2448
	98	Pimstone, S.N. et al., "A frequently occurring mutation in the lipoprotein lipase gene (Asn291Ser) results in altered postprandial chylomicron triglyceride and retinyl palmitate response in normolipidemic carriers", <i>J. Lipid. Res.</i> , 1996, 37, 1675-1684
	99	Quantin, B. et al., "Adenovirus as an Expression Vecotr in Muscle Cells in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89(7), 2581-2584
90	100	Quyyumi, A.A. et al., "Nitric Oxide Activity in the Human Coronary Circulation", <i>J. Clin. Invest.</i> , 1995, 95, 1747-1755

EXAMINER

DATE CONSIDERED

10/18/04

**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 11 of 15

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		Filing Date May 3, 2002	Group 1636 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	101	Reichardt, J.K. V. et al., "Genetic Variability of the Human SRD5A2 Gene: Implications for Prostate Cancer Risk", <i>Cancer Res.</i> , 1995 , 55, 3973-3975	
	102	Renier, G. et al., "Lipoprotein Lipase Synergizes with Interferon Gamma to Induce Macrophage Nitric Oxide Synthetase mRNA Expression and Nitric Oxide Production", <i>Arterioscler Thromb. Vasc. Biol.</i> , 1995 , 15, 392-399	
	103	Reymer, P. W.A. et al., "A lipoprotein lipase mutation (Asn291Ser) is associated with reduced HDL cholesterol levels in premature atherosclerosis", <i>Nat. Genet.</i> , 1995 , 10, 28-33	
	104	Rosenfeld, M.A. et al., "Adenovirus-Mediated Transfer of a recombinant α 1-Antitrypsin Gene to the Lung Epithelium in Vivo", <i>Science</i> , 1991 , 252, 431-434	
	105	Rosenfeld, M.A. et al., "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium", <i>Cell</i> , 1992 , 68, 143-155	
	106	Samson, M. et al., "Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene", <i>Nature</i> , 1996 , 382, 722-725	
	107	Samulski, R.J. et al., "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", <i>J. Virol</i> , 1989 , 63,(9), 3822-3828	
*	108	SAS Institute, Inc., <i>SAS/STAT Software: Changes and Enhancements through release 6.11</i> . Cary, NC: SAS Institute, Inc.	
	109	Schultz, L.D. et al., "Expression and secretion in yeast of a 400-kDa envelope glycoprotein derived from Epstein-Barr virus", <i>Gene</i> , 1987 , 54, 113-123	
	110	Seed, B. "An LFA-3 cDNA encodes a phospholipid-linked membrane protein homologous to its receptor CD2", <i>Nature</i> , 1987 , 329, 840-842	
EXAMINER <i>Janet Dusk</i>		DATE CONSIDERED <i>10/18/04</i>	

**RECEIVED**

OCT 02 2002

Sheet 12 of 15

Form PTO-1449 **TECH-CENTER 1600/2900**Pocket No.
SMAR-0013Serial No.
10/019,341List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)U.S. Department of Commerce
Patent and Trademark OfficeApplicant
Hayden, M.R. et al.Filing Date
May 3, 2002Group **1636**
~~Not Yet Assigned~~**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

111	Sing, K. et al., "Lipoprotein lipase gene mutations, plasma lipid levels, progression/regression of coronary atherosclerosis, response to therapy, and future clinical events Lipoprotein and Coronary Atherosclerosis Study", <i>Atherosclerosis</i> , 1999, 144, 435-442
112	Smith, T.F. et al., "Comparasion of Biosequences", <i>Adv. Appl. Math.</i> , 1981, 2, 482-489
113	Smith, G.E. et al., "Production of Human Beta Interferon in Insect Cells Infected with a Baculovirus Expression Vecotr", <i>Mol. Cell. Biol.</i> , 1983, 3(12), 2156-2165
114	Sparkes, R.S. et al., "Human Genes Involved in Lipolysis of Plasma Lipoproteins: Mpping of Loci for Lipoprotein Lipase to 8p22 and Hepatic Lipase to 15q21", <i>Genomics</i> , 1987, 1(2), 138-144
115	Steinberg, H.O. MD., "Endothelial Dysfunction is Associated with Cholestérol Levels in the High Normal Range in Humans", <i>Circulation</i> , 1997, 96(10), 3287-3293
116	Stocks, J. et al., "Lipoprotein lipase genotypes for a common premature termination codon mutation detected by PCR-mediated site-directed mutagenesis and restriction digestion", <i>J. Lipid. Res.</i> , 1992, 33, 853-857
117	Strauss, J.G. et al., "Generation of adult LPL-deficeint mice", <i>Atherosclerosis</i> , 2000, 151, 158 (abstract)
118	Stroes, E. et al., "NO activity in familial combined hyperlipidemia: potential role of cholesterol remnants", <i>Cardiovasc. Res.</i> , 1997, 36, 445-452
119	Taskinen, M-R. Et al., "High density lipoprotein subfractions in relation to lipoprotein lipase activity of tissues in man-evidence for reciprocal regulation of HDL2 and HDL3 levels by lipoprotein lipase", <i>Clin. Chim. Act.</i> , 1981, 112, 325-332
120	Tratschin, J-D. et al., "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed in Vitro and Evidence for an Adeno-Associated Virus Replication Function", <i>J. Virol.</i> , 1984, 51(3), 611-619

EXAMINER

DATE CONSIDERED

10/18/04



RECEIVED

OCT 02 2002

Sheet 13 of 15

Form PTO-1449 Modified

TECH CENTER 1600/2900

Docket No.

SMAR-0013

Serial No.

10/019,341

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Applicant

Hayden, M.R. et al.

Filing Date

May 3, 2002

Group 1636

~~Not Yet Assigned~~

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

121	Tratschin, J-D., et al., "Adeno-Associated Virus Vector for High Frequency Integration, Expression, and Rescue of Genes in Mammalian Cells", <i>Mol. Cell. Biol.</i> , 1985, 5, 3251-3260
122	Tratschin, J-D. et al., "A Human Parovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient xpression and Encapsidation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", <i>Mol. Cell. Biol.</i> , 1985, 4, 2072-2081
123	Van Beuschem, V.W. et al., "Long-Term Expression of Human Adenosine Deaminas in Rhesus Monkeys Transplanted with Retrovirus-Infected Bone-Marrow Cells", <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89(16), 7640-7644
124	Vogel, R.A., MD. et al., "Effect of a Single High-Fat Meal on Endothelial Function in Healthy Subjects", <i>Am. J. Cardiol.</i> , 1997, 79, 350-354
125	Weinstock, P.H. et al., "Severe Hypertiglyceridemia, Reduced High Density Lipoprotein, and Neonatal Death in Lipoprotein Lipase Knockout Mice", <i>J. Clin. Invest.</i> , 1995, 96, 2555-2568
126	Wess, G. et al., "Modified Bile Acids:Preparation of 7 α , 12 α -Dihydroxy-3 β - and 7 α , 12 α -Dihydroxy-3- α -(2-Hydroxyethoxy)-5 β -Cholanic Acid and Their Biological Activity", <i>Tetrahedron Letters</i> , 1992, 33, 195-198
127	Wess, G. et al., "Preparation of 3 α -and 3 β -(w-Aminoalkoxy)-7 α , 12 α -Dihydroxy-5 β -Cholanoic Acid Esters: Versatile Shuttles for Drug Targeting", <i>Tetrahedron Letters</i> , 1992, 34(5), 817-822
128	Wilcox, J.N. et al., "Expression of Multiple Isoforms of Nitric Oxide Synthase in Normal and Atherosclerotic Vessels", <i>Arterioscler. Thromb. Vasc. Biol.</i> , 1997, 17(11), 2479-2488
129	Wilson, et al., "Prevalence of Coronary Heart Disease in the Framingham Offspring Study: Role of Lipoprotein Cholesterols", <i>Am. J. Cardiol.</i> , 1980, 46, 649-654
130	Wilson, J.M. et al., "Retrovirus-Mediated Transductions of Adult Hepatocytes", <i>Proc. Natl. Acad. Sci. USA.</i> , 1988, 85(9), 3014-3018

EXAMINER

DATE CONSIDERED

10/18/04

RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

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Form PTO-1449 Modified

Docket No.
SMAR-0013Serial No.
10/019,341List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)Applicant
Hayden, M.R. et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
May 3, 2002Group 1634
Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

131	Wilson, J.M. et al., "Hepatocyte-directed Gene Transfer <i>in Vivo</i> Leads to Transient Improvement of Hypercholesterolemia in Low Density Lipoprotein Receptor-deficient Rabbits", <i>J. Biol. Chem.</i> , 1992, 267(2), 963-967
132	Wion, K.L. et al. "Human Lipoprotein Lipase Complementary DNA Sequence", <i>Science</i> , 1987, 235(4796), 1638-1641
133	Wittrup, H. H. et al., "A Common Substitution (Asn291Ser) in Lipoprotein Lipase is Associated with Increased Risk of Ischemic Heart Disease", <i>J. Clin. Invest.</i> , 1997, 99(7), 1606-1613
134	Wittrup, H.H. MD, PhD. et al., "Lipoprotein Lipase Mutations, Plasma Lipids and Lipoproteins, and Risk of Ischemic Heart Disease: A Meta-Analysis", <i>Circulation</i> , 1999, 99(22), 2901-2907
135	Wolff, J.A. et al., "Direct Gene Transfer into Mouse Muscle <i>in Vivo</i> ", <i>Science</i> , 1990, 247(4949), 1465-1468
136	Wondisford, F.E. et al., "cloning of the Human Thyrotropin β -Subunit Gene and Transient Expression of Biologically Active Human Thyrotropin after Gene Transfection", <i>Mol. Endocrinol.</i> , 1988, 2, 32-39
137	Wu, G.Y. et al., "Receptor-mediated Gene Delivery and Expression <i>in Vivo</i> ", <i>J. Biol. Chem.</i> , 1988, 263(29), 14621-14624
138	Zechner, R. "The tissue-specific expression of lipoprotein lipase: implications for energy and lipoprotein metabolism", <i>Curr. Opin. Lipidol.</i> , 1997, 8(2), 77-88
139	Zhang, H. et al., "Patients with ApoE3 Deficiency (E2/2, E3/2, and E4/2) Who Manifest with Hyperlipidemia Have Increased Frequency of an Asn 291- Ser Mutation in the Human LPL Gene", <i>Arterioscler. Thromb. Vasc. Biol.</i> , 1995, 15(10), 1695-1703
140	Zhang, H. et al., "Common sequence variants of lipoprotein lipase: standardized studies of <i>in vitro</i> expression and catalytic function", <i>Biochimica et Biophysica Acta</i> , 1996, 1302, 159-166
141	Kastelein JJP., et al. "The Asn9 variant of lipoprotein lipase is associated with the- 93 G promoter mutation and an increased risk of coronary artery disease", <i>Clin Genet</i> , 1998, 53, 27-33

EXAMINER

DATE CONSIDERED

10/18/04



RECEIVED

OCT 02 2002

Sheet 15 of 15

Form PTO-1449 Modified

TECH CENTER 1600/2900

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Bucket No.
SMAR-0013

Serial No.
10/019,341

Applicant
Hayden, M.R. et al.

Filing Date
May 3, 2002

Group 1636
Not Yet Assigned

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
JD	142	4,554,101	11/19/85	Hopp	260	112.5
	143	4,868,116	09/19/89	Norgan, et al.	435	240.2
	144	4,980,286	12/25/90	Morgan, et al.	435	172.3
	145	5,166,320	11/24/92	Wu, et al.	530	395
	146	5,399,346	03/21/95	Anderson, et al.	424	93.21
JD	147	5,658,729	08/19/97	Hayden, et al.	435	6

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
JD	148	WO 89/07136	08/10/89	PCT		
	149	WO 89/02468	03/23/89	PCT		
	150	WO 89/05345	06/15/89	PCT		
	151	WO 92/07573	05/14/92	PCT		
	152	WO 95/05452	02/23/95	PCT		
JD	153	WO 95/27512	10/19/95	Pct		

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Jennifer Dusk

DATE CONSIDERED

10/18/04